

Serial No. 10/773,572

Docket No. K-0608

Amendment dated March 26, 2009

Reply to Office Action of December 31, 2008

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compressor, comprising:
 - a piston mounted to reciprocate inside of a cylinder to draw a working fluid into a compression chamber within the cylinder, compress, and discharge the working fluid to an outside of the cylinder;
 - a connecting rod connected between a crank shaft and the piston that converts a rotating movement of the crank shaft into a reciprocating movement of the piston;
 - a piston pin attached to one end of the connecting rod, wherein a clearance is provided between an inside surface of the one end of the connecting rod and an outside surface of the piston pin; and
 - at least one oil passage configured to connect the clearance with a piston chamber, wherein the at least one oil passage is configured to allow lubricating oil to escape from the clearance into the piston chamber, and ~~wherein the at least one oil passage is provided one of extending along a first inside surface of the piston with which the one end of the connecting rod is in contact, extending along an outer surface of the one end of the connecting rod, or extending through the one end of the connecting rod wherein the at least one oil passage~~

Serial No. 10/773,572

Docket No. K-0608

Amendment dated March 26, 2009

Reply to Office Action of December 31, 2008

comprises a groove provided extending along an inside surface of the piston.

2.-4. (Canceled)

5. (Currently Amended) The compressor as claimed in claim 1, A compressor, comprising:

a piston mounted to reciprocate inside of a cylinder to draw a working fluid into a compression chamber within the cylinder, compress, and discharge the working fluid to an outside of the cylinder;

a connecting rod connected between a crank shaft and the piston that converts a rotating movement of the crank shaft into a reciprocating movement of the piston;

a piston pin attached to one end of the connecting rod, wherein a clearance is provided between an inside surface of the one end of the connecting rod and an outside surface of the piston pin; and

Serial No. 10/773,572

Docket No. K-0608

Amendment dated March 26, 2009

Reply to Office Action of December 31, 2008

at least one oil passage configured to connect the clearance with a piston chamber,
wherein the at least one oil passage is configured to allow lubricating oil to escape from the
clearance into the piston chamber, wherein the at least one oil passage is provided extending
along a first inside surface of the piston with which the one end of the connecting rod is in
contact, and wherein the at least one oil passage is provided extending along a second inside
surface of the piston opposite to the first inside surface.

6.-9. (Canceled)

10. (Previously Presented) The compressor as claimed in claim 1, wherein the at least one oil passage comprises a plurality of oil passages.

11.-12. (Canceled)

13. (Previously Presented) The compressor as claimed in claim 18, wherein the at least one oil passage comprises a hole that passes through the one end of the connecting rod.

14. (Previously Presented) The compressor as claimed in claim 13, wherein the at least one oil passage extends parallel to a central longitudinal axis of the connecting rod.

Amendment dated March 26, 2009

Reply to Office Action of December 31, 2008

15. (Previously Presented) The compressor as claimed in claim 13, wherein the at least one oil passage extends at an angle to a central longitudinal axis of the connecting rod.

16. (Previously Presented) The compressor as claimed in claim 18, wherein the one end of the connecting rod comprises a piston pin attaching portion and wherein the at least one oil passage extends a length of the piston pin attaching portion.

17. (Previously Presented) The compressor as claimed in claim 18, wherein the one end of the connecting rod comprises a piston pin attaching portion and wherein the at least one oil passage extends from an inner surface of the one end adjacent a surface of the piston pin to an outer surface of the piston pin attaching portion opposite the piston pin.

18. (Currently Amended) The compressor as claimed in claim 1, A compressor,
comprising:

a piston mounted to reciprocate inside of a cylinder to draw a working fluid into a compression chamber within the cylinder, compress, and discharge the working fluid to an outside of the cylinder;

a connecting rod connected between a crank shaft and the piston that converts a rotating movement of the crank shaft into a reciprocating movement of the piston;

Serial No. 10/773,572

Docket No. K-0608

Amendment dated March 26, 2009

Reply to Office Action of December 31, 2008

a piston pin attached to one end of the connecting rod, wherein a clearance is provided between an inside surface of the one end of the connecting rod and an outside surface of the piston pin; and

at least one oil passage configured to connect the clearance with a piston chamber, wherein the at least one oil passage is configured to allow lubricating oil to escape from the clearance into the piston chamber, and wherein the at least one oil passage is provided in the one end of the connecting rod.

19. (Canceled)

20. (New) The compressor as claimed in claim 5, wherein the at least one oil passage comprises a plurality of oil passages.

21. (New) The compressor as claimed in claim 18, wherein the at least one oil passage comprises a plurality of oil passages.